



WATER MANAGEMENT MONTHLY REPORT

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RESERVOIR OPERATION AND SYSTEM STATUS FOR JANUARY 2002

HIGHLIGHTS – Cairo stage began the month at 27.8 feet and ended at 41.0 feet and was rising slowly nearing a crest. Flood stage is 40 feet.

WEATHER –The weather during January was very warm and generally dry. Temperatures averaged 5 to 9 degrees above normal for the month which began with below normal temperatures but rapidly shifted to warmer than normal with a number of daily record highs set during the latter half of the month. Precipitation was well below normal for all areas until the 23rd of the month. Several heavy rain systems along the lower Ohio River and Tennessee brought monthly total precipitation above normal for much of central Tennessee and along the Ohio River from Louisville to Cairo. Elsewhere in the basin, dry conditions persisted.

TEMPERATURE AND PRECIPITATION – JANUARY 2002

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	35.4	+7.9	1.76	-0.94
Charleston, WV	38.3	+4.9	3.15	-0.10
Columbus, OH	35.6	+7.3	1.92	-0.61
Cincinnati, OH	36.9	+7.3	2.33	-0.59
Louisville, KY	40.8	+7.8	4.14	+0.40
Indianapolis, IN	35.1	+8.6	2.48	0.00
Evansville, IN	38.2	+7.1	3.68	+0.77

Nashville, TN	42.2	+5.4	4.93	+0.96
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STREAMFLOW -- Ohio River monthly average flows for January ranged from a low of 52 percent of normal at Huntington, WV to a high of 74 percent of normal at Paducah, KY. Daily flows ranged from a low of 15 percent of normal at Evansville, IN to a high of 205 percent of normal at Paducah, KY.

The following table presents the flow data summary for January at the Ohio River Index Stations:

FLOW DATA – JANUARY 2002

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	24,700	57	158	23
Huntington, WV	58,900	52	137	21
Cincinnati, OH	74,300	55	151	21
Louisville, KY	94,200	55	158	16
Evansville, IN	109,500	57	175	15
Paducah, KY	290,200	74	205	23

RESERVOIRS -- January started with 2.8% utilization of the total system flood control storage and ended the month at 4.4%. System-wide augmentation storage increased from 92.5% at the beginning of the month to 96.4% by the end of the month. Significant flood storage utilization in excess of 25% occurred at Monroe, Patoka, Carr Fork, Buckhorn, Martins Fork and Center Hill projects during the month. Flood storage utilization in excess of 50% occurred at JP Priest project. Monroe and Patoka are in the Wabash River basin of Indiana, Carr Fork and Buckhorn are in the Kentucky River basin, Martins Fork, Center Hill and JP Priest are in the Cumberland River basin. The following table depicts storage change by tributary reservoir subsystem for January:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
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Allegheny-Monongahela-Beaver	+107,800
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+13,800
Twelvepole-Big Sandy-Little Sandy-Scioto	+8,600
Little Miami-Licking-Mill Creek-Great Miami	+6,000
Kentucky-Salt-Green-Wabash	-47,800
Cumberland	+1,571,800
TOTAL	+1,660,200

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